

## EFFECT OF ENTERIC COATED SP-303 ON INTESTINAL FLUID ACCUMULATION IN QT-TREATED MICE

date redacted

Mouse #	Alive B.W. (g)	Boat for B.W. (g)	Boat & Mouse (g)	Drugs	Boat for Gut (g)	Boat & Gut & Fluid (g)	Boat & Gut minus (g)	Length of Gut (mm)
A1	17.6	1.576	19.3826	H <sub>2</sub> O	1.567	3.7764	2.5479	395
A2	18.5	1.578	20.1776	H <sub>2</sub> O	1.644	3.9875	2.5134	385
A3	17.5	1.576	19.6976	H <sub>2</sub> O	1.550	3.6430	2.3800	415
A4	16.9	1.576	18.6464	H <sub>2</sub> O	1.519	3.3363	2.5009	420
A5	18.1	1.576	20.1926	H <sub>2</sub> O	1.597	3.6503	2.5339	390
A6	16.4	1.578	19.2311	H <sub>2</sub> O	1.596	3.6735	2.4171	415
A7	17.6	1.576	19.5282	H <sub>2</sub> O	1.582	3.5975	2.5391	430
A8	16.5	1.576	18.1637	H <sub>2</sub> O	1.533	3.3605	2.3489	380
MEAN	17.4							
STD	0.7							
SE	0.3							
Mouse #	Alive B.W. (g)	Boat for B.W. (g)	Boat & Mouse (g)	Drugs	Boat for Gut (g)	Boat & Gut & Fluid (g)	Boat & Gut minus (g)	Length of Gut (mm)
B1	17.4	1.576	18.6643	Coated SP-303	1.532	2.6080	2.4836	420
B2	18.5	1.576	20.0414	Coated SP-303	1.526	3.1300	2.4541	400
B3	17.5	1.576	18.9123	Coated SP-303	1.670	3.3081	2.3197	408
B4	16.5	1.576	18.1737	Coated SP-303	1.621	2.8347	2.5667	370
B5	19.7	1.576	20.4491	Coated SP-303	1.561	2.9332	2.6891	436
B6	16.4	1.576	17.8899	Coated SP-303	1.673	3.4312	2.4347	410
B7	17.8	1.576	19.7143	Coated SP-303	1.679	3.0610	2.9260	436
B8	19.3	1.676	17.9726	Coated SP-303	1.631	3.1973	2.3217	366
MEAN	17.4							
STD	0.9							
SE	0.3							
Mouse #	Alive B.W. (g)	Boat for B.W. (g)	Boat & Mouse (g)	Drugs	Boat for Gut (g)	Boat & Gut & Fluid (g)	Boat & Gut minus (g)	Length of Gut (mm)
C1	17.8	1.576	19.6022	Eudragit/Sugar/Gum	1.651	3.8785	2.6118	416
C2	16.3	1.576	18.9426	Eudragit/Sugar/Gum	1.666	3.2143	2.1999	405
C3	17.2	1.576	19.9307	Eudragit/Sugar/Gum	1.485	2.5018	2.3075	400
C4	16.0	1.576	18.6398	Eudragit/Sugar/Gum	1.587	3.4607	2.4626	390
C5	18.7	1.576	20.2664	Eudragit/Sugar/Gum	1.580	3.3440	2.4904	405
C6	16.6	1.578	18.2546	Eudragit/Sugar/Gum	1.571	3.6459	2.5322	410
C7	17.0	1.576	18.7813	Eudragit/Sugar/Gum	1.615	3.7371	2.5627	400
C8	17.0	1.576	19.1595	Eudragit/Sugar/Gum	1.537	3.7256	2.3235	385
MEAN	17.4							
STD	0.7							
SE	0.3							

EFFECT OF ENTERIC COATED SP-303 ON INTESTINAL FLUID ACCUMULATION IN TREATED MICE									
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Mouse #	DOB	Age of Ex (day)	Euthazex Mouse Wt (g)	Drugs	Gut & Fluid (g)	Gut minus Fluid (g)	Length of Gut (mm)	Fluid (g)	Fluid/Gut
A1		52	17.8	H <sub>2</sub> O	2.21	0.98	395	1.23	1.25
A2		52	18.6	H <sub>2</sub> O	2.34	0.87	385	1.47	1.69
A3		52	18.1	H <sub>2</sub> O	1.99	0.83	415	1.16	1.40
A4		52	17.1	H <sub>2</sub> O	1.82	0.98	420	0.84	0.83
A5	date redacted	52	18.6	H <sub>2</sub> O	2.05	0.94	390	1.12	1.19
A6		52	16.7	H <sub>2</sub> O	2.08	0.82	415	1.26	1.53
A7		52	18.0	H <sub>2</sub> O	2.02	0.86	430	1.06	1.11
A8		52	16.6	H <sub>2</sub> O	1.83	0.82	380	1.01	1.24
MEAN			17.7		2.04	0.90	404	1.14	1.28
STD			0.8		0.18	0.07	18	0.19	0.26
SE			0.3		0.06	0.03	7	0.07	0.09
Mouse #			Mouse Wt (g)	Drugs	Gut & Fluid (g)	Gut minus Fluid (g)	Length of Gut (mm)	Fluid (g)	Fluid/Gut
B1		52	17.0	Coated SP-303	1.28	0.95	420	0.32	0.34
B2		52	18.5	Coated SP-303	1.60	0.93	400	0.68	0.73
B3		52	17.3	Coated SP-303	1.64	0.65	400	0.99	1.52
B4		52	16.8	Coated SP-303	1.21	0.95	370	0.27	0.28
B5	date redacted	52	18.9	Coated SP-303	1.37	1.11	436	0.26	0.24
B6		52	16.3	Coated SP-303	1.86	0.88	410	1.00	1.16
B7		52	16.1	Coated SP-303	1.47	1.06	436	0.41	0.38
B8		52	16.4	Coated SP-303	1.02	0.79	366	0.83	1.04
MEAN			17.4		1.51	0.91	404	0.69	0.71
STD			1.0		0.21	0.16	27	0.22	0.48
SE			0.3		0.08	0.06	9	0.11	0.17
Mouse #			Mouse Wt (g)	Drugs	Gut & Fluid (g)	Gut minus Fluid (g)	Length of Gut (mm)	Fluid (g)	Fluid/Gut
C1		52	17.9	Eudragit/Sugar/Gum	2.03	0.98	415	1.07	1.12
C2		52	17.4	Eudragit/Sugar/Gum	1.65	0.83	405	1.01	1.60
C3		52	18.4	Eudragit/Sugar/Gum	1.02	0.82	400	0.19	0.24
C4		52	17.3	Eudragit/Sugar/Gum	1.87	0.88	380	1.00	1.14
C5	date redacted	52	18.7	Eudragit/Sugar/Gum	1.76	0.91	405	0.85	0.94
C6		52	16.7	Eudragit/Sugar/Gum	2.07	0.96	410	1.11	1.16
C7		52	17.2	Eudragit/Sugar/Gum	2.12	0.95	400	1.17	1.24
C8		52	17.6	Eudragit/Sugar/Gum	2.19	0.79	385	1.40	1.78
MEAN			17.6		1.84	0.86	401	0.98	1.15
STD			0.7		0.38	0.11	10	0.36	0.46
SE			0.2		0.13	0.04	4	0.10	0.16

EFFECT OF ENTERIC COATED SP-303 ON INTESTINAL FLUID ACCUMULATION IN CT-TREATED MICE

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Mouse #	Eutharize Mouse Wt. (g)	Drugs	Gut & Fluid (g)	Gut minus Fluid (g)	Length of Gut (mm)	Fluid (g)	Eutharize Fluid/Gut (g)
A1	17.8	H2O	2.21	0.98	395	1.23	1.25
A2	18.6	H2O	2.34	0.97	385	1.47	1.69
A3	18.1	H2O	1.99	0.83	415	1.16	1.40
A4	17.1	H2O	1.82	0.98	420	0.84	0.85
A5	18.6	H2O	2.05	0.94	390	1.12	1.19
A6	16.7	H2O	2.08	0.82	415	1.26	1.53
A7	18.0	H2O	2.02	0.96	430	1.06	1.11
A8	16.6	H2O	1.83	0.82	380	1.01	1.24
MEAN	17.7		2.04	0.90	404	1.14	1.28
STD	0.8		0.18	0.07	18	0.19	0.26
SE	0.3		0.06	0.03	7	0.07	0.09
Mouse #	Mouse Wt. (g)	Drugs	Gut & Fluid (g)	Gut minus Fluid (g)	Length of Gut (mm)	Fluid (g)	Fluid/Gut (g)
B1	17.0	Coated SP-303	1.28	0.95	420	0.32	0.34
B2	18.5	Coated SP-303	1.60	0.93	400	0.68	0.73
B3	17.3	Coated SP-303	1.64	0.65	400	0.99	1.52
B4	16.6	Coated SP-303	1.21	0.95	370	0.27	0.28
B5	18.9	Coated SP-303	1.37	1.11	435	0.26	0.24
B6	16.3	Coated SP-303	1.86	0.86	410	1.00	1.16
B7	18.1	Coated SP-303	1.47	1.06	435	0.41	0.39
B8	16.4	Coated SP-303	1.62	0.79	385	0.83	1.04
MEAN	17.4		1.51	0.91	404	0.59	0.71
STD	1.0		0.21	0.15	27	0.32	0.48
SE	0.3		0.08	0.05	9	0.11	0.17
Mouse #	Mouse Wt. (g)	Drugs	Gut & Fluid (g)	Gut minus Fluid (g)	Length of Gut (mm)	Fluid (g)	Fluid/Gut (g)
C1	17.9	Eudragit/Sugar/Gum	2.03	0.96	415	1.07	1.11
C2	17.4	Eudragit/Sugar/Gum	1.65	0.63	405	1.01	1.60
C3	18.4	Eudragit/Sugar/Gum	1.02	0.82	400	0.19	0.24
C4	17.3	Eudragit/Sugar/Gum	1.87	0.88	390	1.00	1.14
C5	18.7	Eudragit/Sugar/Gum	1.76	0.91	405	0.85	0.94
C6	16.7	Eudragit/Sugar/Gum	2.07	0.96	410	1.11	1.16
C7	17.2	Eudragit/Sugar/Gum	2.12	0.95	400	1.17	1.24
C8	17.6	Eudragit/Sugar/Gum	2.19	0.79	385	1.40	1.78
MEAN	17.6		1.84	0.86	401	0.98	1.15
STD	0.7		0.38	0.11	10	0.35	0.46
SE	0.2		0.13	0.04	4	0.13	0.16

date redacted

Mouse ID	A H <sub>2</sub> O	B Coated SP303	C Eudragit/Sugar/Gum			
1	1.25	0.34	1.11			
2	1.69	0.73	1.60			
3	1.40	1.52	0.24			
4	0.85	0.28	1.14			
5	1.19	0.24	0.94			
6	1.53	1.16	1.16			
7	1.11	0.39	1.24			
8	1.24	1.04	1.78			
Mean	1.20	0.71	1.16			
SD	0.26	0.48	0.46			
SE	0.08	0.17	0.16			
Anova: Single-Factor						
Summary						
Groups	Count	Sum	Average	Variance		
H <sub>2</sub> O	8	10.2699649	1.283745613	0.068009132		
Coated SP303	8	5.699545004	0.712443126	0.229671513		
Eudragit/Sugar/Gum	8	9.206273105	1.150784138	0.213246793		
ANOVA						
Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	1.428988343	2	0.714494172	4.197920013	0.029261791	3.466794851
Within Groups	3.576492062	21	0.170309146			
Total	5.006300405	23				
Duncan's Multiple-Range Test						
Treatment	Mean	Ranked at probability level 0.05				
H <sub>2</sub> O	1.2825	A*				
Coated SP303	0.7125	B*				
Eudragit/Sugar/Gum	1.1513	A*				
*Means not sharing letter in common differ significantly by Duncan's Multiple Range Test						



